

# Postgraduate Certificate

## Drugs Associated with Allergic Pathology



## Postgraduate Certificate Drugs Associated with Allergic Pathology

- » Modality: online
- » Duration: 2 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/drugs-associated-allergic-pathology](http://www.techtute.com/pk/medicine/postgraduate-certificate/drugs-associated-allergic-pathology)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Knowledge of allergies associated with medication is one of the pillars of development in allergology. In this course we offer a comprehensive review of the main groups of drugs which cause allergic pathologies presented in an extensive compilation of the advances and new developments in the field.





“

*The development of new drugs and medication makes it all the more necessary for professionals to be kept up to date in this area of allergology. Become one of the most in-demand professionals of today”*

Allergology has seen how, in recent years, the number of people affected by the different forms of manifestation of the disease has increased notably. In the last two decades, this increasing trend has been particularly noticeable among children. And yet, very few countries have specialized services in this medical field.

This prevalence has led to allergy being considered a major health problem: according to the WHO, hundreds of millions of people suffer from rhinitis, one of the most common allergy conditions, and at least 300 million suffer from asthma. In addition to these figures, there is an enormous variety of other common and new allergies that have become commonplace in the specialist's office.

This training program has been created with the aim of providing professionals with specific training in the field of allergology to equip them with the most up-to-date knowledge in diagnosis and intervention.

In this sense, the professional must be able to offer their patients a study of their disease in which the recognition of allergens is a priority in order to work towards a lifestyle that aims to avoid symptoms and, with them, the progression of the disease.

During this training, you will learn about new lines of research and practice in allergic disease with a special interest in areas such as asthma and diagnosis by inflammatory genotypes or measurements: induced sputum, flow cytometry, measurement of cytokines and interleukins.

A comprehensive refresher program that will also allow you to incorporate Big Data and telemedicine skills. Work routines that will provide you with a new spectrum of performance and permanent growth.

This Postgraduate Certificate in Drugs Associated with Allergic Pathology offers you the advantages of a high-level scientific, teaching, and technological course. These are some of its most notable features:

- ♦ Latest technology in online teaching software.
- ♦ Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- ♦ Practical cases presented by practising experts.
- ♦ State-of-the-art interactive video systems.
- ♦ Teaching supported by telepractice.
- ♦ Continuous updating and recycling systems.
- ♦ Self-regulating learning: full compatibility with other occupations.
- ♦ Practical exercises for self-evaluation and learning verification.
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums.
- ♦ Communication with the teacher and individual reflection work.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.
- ♦ Supplementary documentation databases are permanently available, even after the course.



*Get updated in one of the most in-demand specialties, with 30-40% of the world's population affected by allergies"*





*Learn about the effects of new drugs in the field of allergology and get fully up to date in a single highly effective training course"*

Our teaching staff is composed of medical professionals, practising specialists. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of doctors trained and experienced in different environments, who will develop the theoretical knowledge in an efficient way, but, above all, will put at the service of the course the practical knowledge derived from their own experience: one of the differential qualities of this training.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of this course. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*With a methodological design based on proven teaching techniques, this course in Drugs Associated with Allergic Pathology will take you through different teaching approaches to allow you to learn in a dynamic and effective way.*

*Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: "learning from an expert"*

# 02 Objectives

Our objective is to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.







“

*If your goal is to take a step towards achieving the highest medical quality, this is the course for you: a training program that aspires to excellence”*



## General Objectives

---

- Define 21st century allergology.
- Recognize new forms of allergic disease conditions.
- Review the latest international practices in allergology.
- Learn the new international lines of research in allergology.
- Become familiar with new approaches.
- Recognize the importance of allergic disease in primary care morbidity.
- Recognize allergens for appropriate preventive intervention and reduce the risk of exposure as a priority preventive measure.



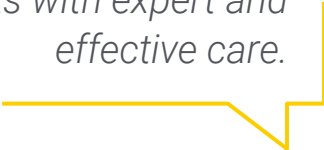


## Specific Objectives

---

- ♦ Gain knowledge of allergic pathologies caused by drugs.
- ♦ Review the main pharmacological groups that cause allergic pathology.
- ♦ Learn the classification of the different pharmacological groups; antibiotics, NSAIDs, chemotherapeutic contrast media, proton pump inhibitors.
- ♦ Know the main differences between idiosyncratic and allergic reactions.
- ♦ Know the diagnostic protocols for diagnosing allergy to beta-lactams and NSAIDs.

*Acquire the necessary knowledge to offer quality practice in the field of allergology, providing your patients with expert and effective care.*



03

# Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.







“

*An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed”*

## Management



### Dr. Fernández Nieto, María del Mar

- ♦ Assistant Physician, Allergology Unit, Jiménez Díaz Foundation IIS CIBERES (Respiratory Diseases)
- ♦ Member of the SEAIC Asthma Committee
- ♦ Member of the NeumoMadrid Asthma Group
- ♦ Member of the SEPAR Asthma Working Group
- ♦ Member of ERS
- ♦ Member of EAACI

## Professors

### Dr. Dávila Fernández, Galicia

- ♦ Assistant Physician of the Allergology Department of the Henares University Hospital (Madrid)
- ♦ Coordinator of Training and Teaching at the Henares University Hospital
- ♦ Associate Professor (PAC) of the Francisco de Vitoria University of Madrid
- ♦ Member of the Spanish Society of Allergology and Clinical Immunology (SEAIC)
- ♦ Member of the SEAIC Drug Allergy Committee

### Dr. Rojas Pérez-Ezquerro, Patricia

- ♦ Allergist. Gregorio Marañón General University Hospital
- ♦ Member of the Spanish Allergology Society (SEAIC)
- ♦ Member of the Drug Allergy Committee, Spanish Society of Allergology (SEAIC).
- ♦ Master's Degree in Clinical Management, Medical, and Healthcare Management. Cardenal Herrera University.





# 04

## Structure and Content

The contents of this Postgraduate Certificate in Drugs Associated with Allergic Pathology have been developed by the different experts on this course, with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.



“

*This Postgraduate Certificate in Drugs Associated with Allergic Pathology contains the most complete and up-to-date scientific program on the market”*

### Module 1. Main Pharmacological Groups Causing Allergic Pathology

- 1.1. Adverse Reactions to Medications. Immune System Adverse Reactions
- 1.2. Allergy to Beta-Lactam Antibiotics
- 1.3. Allergy to Quinolone Group Antibiotics
- 1.4. Allergy to Sulfonamide Group Antibiotics
- 1.5. Allergy to Non-Steroidal Anti-Inflammatory Drugs
- 1.6. Allergy to Chemotherapy Drugs
- 1.7. Allergy to Anticoagulants
- 1.8. Proton Pump Inhibitor Allergy
- 1.9. Allergy to Contrast Media
- 1.10. Pseudoallergic and Idiosyncratic Reactions to Drugs







“

*A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life"*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.





“

*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program students will be presented with multiple Clinical symptoms simulated cases based on real patients in which they will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in professional medical practice.

“

*Did you know that this method was developed in 1912 at Harvard for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

This University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the simple study and analysis of cases.

*The physician will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*





At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

Over 250,000 physicians have been trained using this methodology, with unprecedented success in all clinical specialties regardless of surgical load. This teaching methodology is developed in a highly demanding environment, with a university student body of high socio-economic profile and an average age of 43.5 years.

*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced specifically for the course by the specialists who teach the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

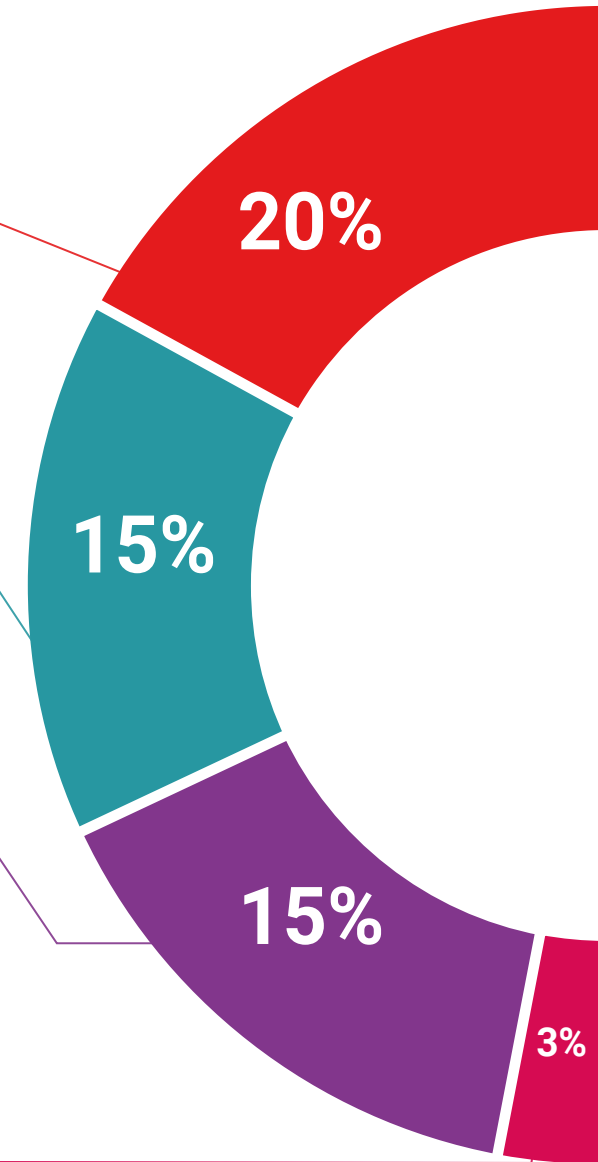
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story"

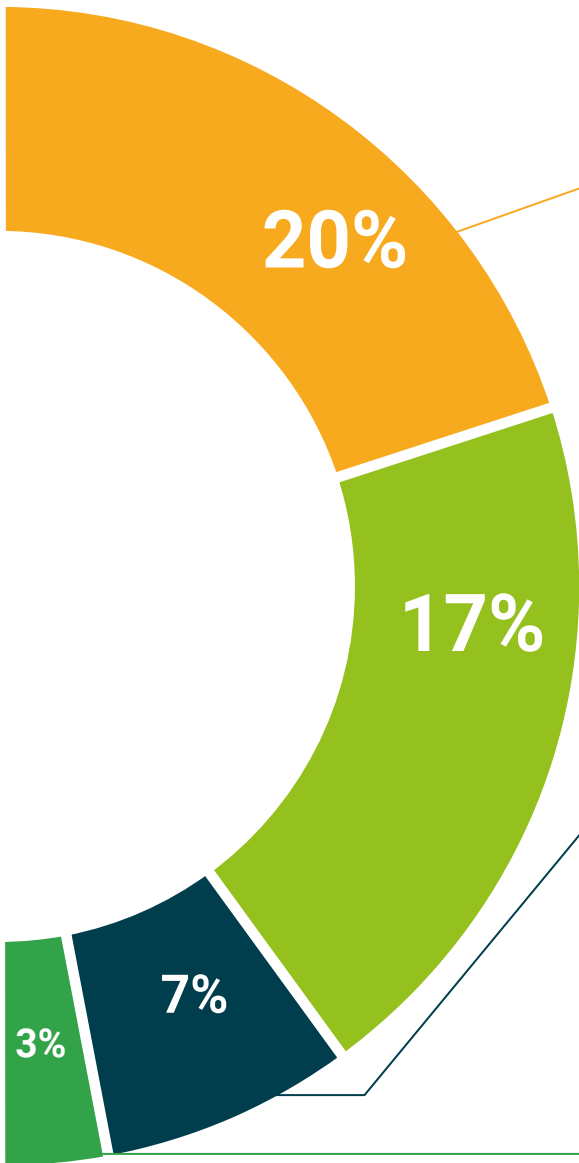


#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.







**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Re-Testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



“

*Include in your training a Postgraduate Certificate in Drugs Associated with Allergic Pathology: a highly qualified added value for any medical professional"*

This **Postgraduate Certificate in Drugs Associated with Allergic Pathology** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive, by tracked mail, their corresponding Postgraduate Certificate issued by **TECH Technological University**

The certificate issued by TECH Technological University will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Diploma: **Postgraduate Certificate in Drugs Associated with Allergic Pathology**

Official N° of Hours: 150 h.





health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



**Postgraduate Certificate**  
Drugs Associated with  
Allergic Pathology

- » Modality: online
- » Duration: 22 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate

## Drugs Associated with Allergic Pathology